

RET

Research Experience for Teachers

Summer 2005

Harvard University

A joint program of the Nanoscale Science & Engineering Center based at Harvard and the REU/RET Site in Materials Research & Engineering

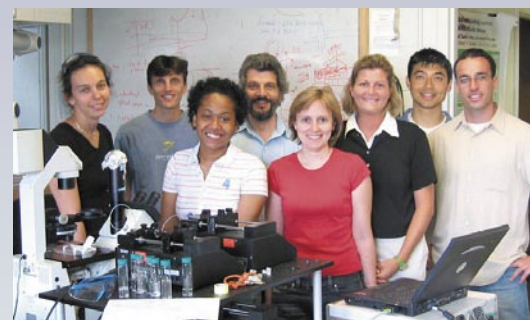


We are pleased to announce opportunities for teachers of science, math and technology to work with research scientists and engineers at Harvard University. Through our 6-8 week joint Research Experience for Teachers (RET) program, teachers participate in educational and technical research as part of a scientific research community. Participants will have the benefit of significant collaboration with the science education community within the Harvard Center for Imaging and Mesoscale Structures (www.cims.harvard.edu) and the Nanoscale Science and

Engineering Center (www.nsec.harvard.edu), as well as the support of other RET participants. The RET program is designed to build bridges between K12 education and research in materials science & engineering (www.reusite.deas.harvard.edu) and nanoscale science & engineering; involve educators in the research community; enhance the quality of pre-college education; and result in the production of classroom-tested instructional materials.

Past Projects Include:

- Cell encapsulation using microfluidics
- Surface tension demonstrations
- Peer instruction in physics & chemistry classrooms
- Black silicon for photovoltaics



Application Deadline is April 15, 2005

Apply on-line at:

www.eduprograms.deas.harvard.edu/ret.htm

Teachers selected for the RET program will receive a stipend of \$1,000/week. The duration of the RET program is flexible. Please let us know your availability during the summer.



For more information, please contact:
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www.eduprograms.deas.harvard.edu

The REU/RET Site in Materials Research (www.reusite.deas.harvard.edu) and the Nanoscale Science & Engineering Center (www.nsec.harvard.edu) based at Harvard University are supported through the auspices of the National Science Foundation.